

WHAT IS CLAIMED IS:

1. A common mode choke coil comprising

a holder including:

a base section;

two side walls formed respectively at both sides of the base section, and each having a slot hole toward its upper end; and

wire guide strips formed respectively at both sides of each of the side walls and defining respective upper ends functioning as wire bending guides,

a coil assembly including:

a square magnetic core consisting of a pair of U core pieces;

a bobbin having two flanges at its both ends, respectively; and

a plurality of edgewise windings each formed of a rectangular wire, provided around the bobbin, and set vertically inside the holder, and

a core securing plate spring having its both end portions engagingly inserted through respective slot holes of the two side walls,

wherein the coil assembly is fixedly set inside the holder by means of the two flanges of the bobbin, and the core securing plate spring, and lead wires of each of the edgewise winding are bent at the upper ends of the wire guide strips, then extend along the wire guide strips, and lead out thereby constituting coil terminals.

2. A common mode choke coil according to Claim 1, wherein flange stoppers arranged horizontally and adapted to lock the two flanges of the bobbin, and guide grooves running vertically are provided at inner surfaces of the two side walls of the holder.

3. A common mode choke coil according to Claim 2, wherein the bobbin consists of: a flanged cylinder section comprising hollow cylinders and one flange of the two flanges; and a flange section constituting the other flange of the two flanges and having holes adapted to engage with distal ends of the cylinders of the flanged cylinder section, and the two flanges of the bobbin have protrusions at locations corresponding to the guide grooves formed at the inner surfaces of the side walls.